



THERMAL BLOCKS

LIGHTWEIGHT AGGREGATE BLOCKS

APPLICATIONS

Suspended Floors - beam & block
Walls below Damp Proof Course
External Walls - outer & inner
Internal Load bearing Walls
Internal Partition Walls
Flanking/Party Walls
Semi Exposed Walls

Sellite Lightweight Aggregate Blocks are a general purpose block and comprise a range of medium dense, 440x215mm face size, load bearing units.

Thermal Blocks are light grey in colour with a granular surface texture. They are a robust and durable block suitable for plastering and flooring applications and provide excellent flexibility.

Blocks in this range comply with the 20kg single lift requirements of the Construction (Design and Management) Regulations.

Thermal Blocks are manufactured from selected lightweight aggregates including Furnace Bottom Ash (FBA), Pulverised Fuel Ash (PFA) and cement.



- ✓ **Lightweight**
- ✓ **Loadbearing**
- ✓ **Fire Resistant**
- ✓ **Excellent Sound Insulation**
- ✓ **High Thermal Efficiency**
- ✓ **Accepts Plaster and Paint Without Bonding Coat**
- ✓ **Easily Cut and Chased**
- ✓ **Excellent Fixability**
- ✓ **Low Shrinkage**

Manufacturers of eco-friendly building blocks, for over 60 years



Technical Helpline: 01977 661631
Fax: 01977 662155

www.sellite.co.uk
sales@sellite.co.uk

SELLITE
BLOCKS LIMITED



THERMAL BLOCKS

LIGHTWEIGHT AGGREGATE BLOCKS

AUTHORITY

Thermal Blocks are manufactured to comply with BS EN 771-3. Production facilities operate under Quality Management Standard EN ISO 9001 Certificate Number FM 40113 (BSI Registration).

PERFORMANCE AND PROPERTIES

Dry Density

- ✓ 4.2 N/mm² & 7.3 N/mm² - 1375 to 1400 Kg/m³
- ✓ 10.4 N/mm² - 1425 to 1450 Kg/m³

Fixability

- ✓ Thermal blocks accept direct nailing and are easy and speedy to drill and plug.

Fire Resistance

- ✓ Thermal blocks are manufactured from Class 1 Fire Resistant Aggregate as defined in BS 5628 Part 3.

Mean Compressive Strength

- ✓ 4.2 N/mm², 7.3 N/mm² and 10.4 N/mm²

Moisture Movement

- ✓ < 0.6 mm/m.

Shear Bond Strength

- ✓ 0.15 N/mm²

Sound Insulation

- ✓ Thermal blocks are Part E compliant. Consult our Technical Department for current sound performance data.

Thermal Properties

- ✓ $k = 0.40W/m^{\circ}C$.
- ✓ Thermal blocks are Part L compliant. Consult our Technical Department for current thermal data.

Dimensional Tolerances

- ✓ Category D1.



METRIC SIZES & TYPES

Work Size 440mm x width x 215mm
Co-ordinating Size 450mm x width x 225mm

Type	100mm	140mm
Solid		
Reveal (50mm)		
Reveal (75mm)		
Flooring Block		
Infill Bricks Available		

THERMAL BLOCKS PACK SIZES (Metric)

100mm	7.2m ²
140mm	4.8m ²

Flooring Grade Thermal Blocks are designed to withstand a minimum transverse load of 3.5 kN making them ideal for beam and block flooring.



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